



NITFS Compliance Registration



Product: General Atomics NITFS Library, Version 1.0 (Software Development) **Date:** 25 January 2005

Spawner: Air Code 4.5.5

Expiration: 24 January 2007

Registration #: 3009

Developer: Atomics

☒ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

System

N-0105/98, §4.1.1

Product

N-0105/98, §4.1.2

Component

N-0105/98, §4.1.3

NITFS Features Implemented:

Format

- ☒ NITF
- ☒ V2.1
- ☐ V2.0
- ☐ V1.1
- ☐ NSIF
- ☐ V1.0

Pixel Value Types

- ☐ Boolean
- ☒ Integer
- ☐ Signed Integer *
- ☐ IEEE Real *
- ☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
- ☐ CCM, 2301
- ☐ CCM, 2301A
- ☐ Labels **

Text Segments

- ☐ STA
- ☐ UT1
- ☐ U8S
- ☐ MTF

Image Segment Types

- ☒ MONO
- ☐ RGB
- ☐ RGB/LUT
- ☐ YCbCr
- ☒ MULTI
- ☐ NODISPLAY
- ☐ POLAR

Image Compression

- ☒ Not Compressed
- ☐ JPEG Lossy, 8-bit
- ☐ JPEG Lossy, 12-bit
- ☐ JPEG Downsample
- ☐ JPEG Lossless
- ☐ JPEG 2000
- ☐ Bi-Level
- ☐ Vector Quantization
- ☐ Multispectral JPEG, Individual Band

Data Extension Segments

- ☐ PRE_OVERFLOW
- ☐ STREAMING_FILE_HEADER
- ☐ Controlled Extensions **
- ☐ Registered Extensions **

Tagged Record Extensions

- ☒ CFTB
- ☒ IMIDB
- ☒ LOCKA
- ☒ METAA

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7	Oth		
Interpret							
Generate						9	
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

The General Atomics NITFS Library, Version 1.0 was tested via a sample test environment supplied by General Atomics - Lynx Systems running on a 3.4 GHz Pentium 4, 2 GB RAM, 80 GB hard drive, running Windows XP Professional, Service Pack 2

Interpret
Generate

Legend

- ☒ Fully implemented
- ☐ Partially implemented
- ☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of the product for the intended use. Optional NITFS features may not be implemented.

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Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program